

Installing ScotchBox

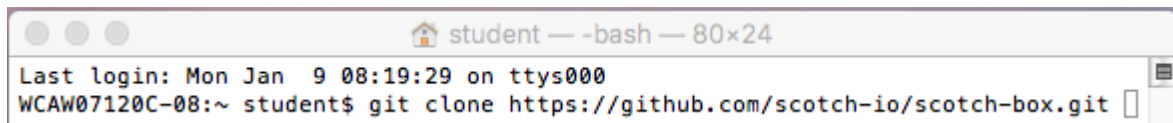
1. Go to the ScotchBox site at <https://box.scotch.io/>. If you scroll down, you'll see step-by-step instructions on how to download and install ScotchBox – these instructions are mostly meant to help clarify the steps on the ScotchBox site.
2. If you do not already have VirtualBox and Vagrant installed, follow steps 1 and 2 on the ScotchBox site to download and install those programs. You will need both in order to launch the ScotchBox virtual machine.
3. To follow step 3 of the ScotchBox instructions, the process will be slightly different for Windows and Mac OS X users:

Mac OS X

The Git utilities are probably already installed on your Mac and ready for use. If not, look in the Windows instructions below for a download link for Git.

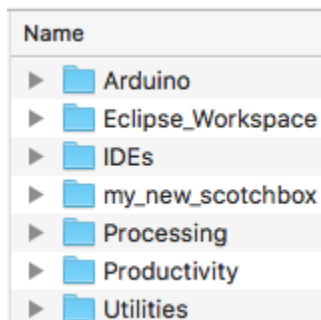
Open a Terminal window to execute the command in (use Go > Utilities, or just do a Finder search for it).

Copy and paste the “git clone” command from the ScotchBox site into the Terminal prompt, but don't hit Return just yet. Delete the “my-project” from the sample command so that it looks like this:

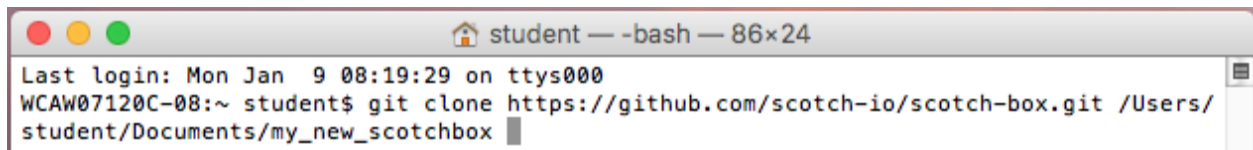


```
student — -bash — 80x24
Last login: Mon Jan  9 08:19:29 on ttys000
WCAW07120C-08:~ student$ git clone https://github.com/scotch-io/scotch-box.git
```

Now open a Finder window and make sure the folder you'd like to put ScotchBox in is visible, like so:

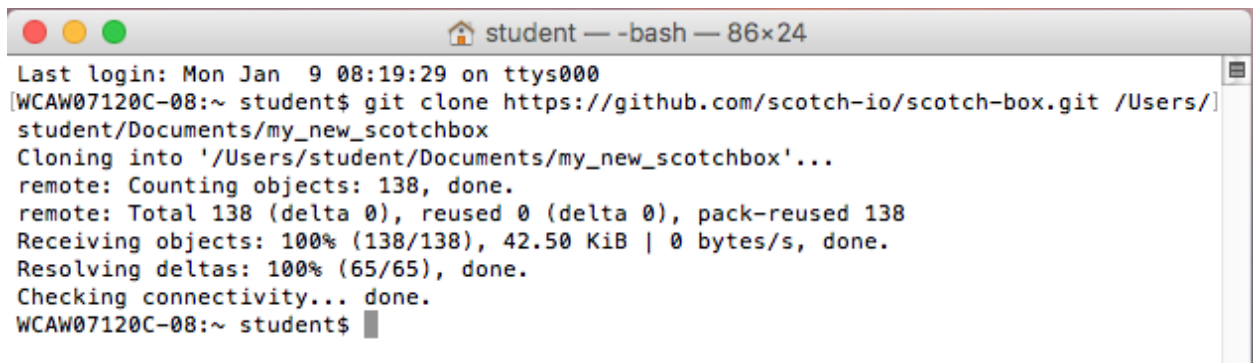


Click on the folder in Finder, and drag-and-drop the folder icon into the Terminal window. This should automatically copy-and-paste the full path to that folder into the Terminal. The finished “git clone” command should look something like this:

A screenshot of a macOS Terminal window titled "student — -bash — 86x24". The window shows the command history and the current command being entered: `WCAW07120C-08:~ student$ git clone https://github.com/scotch-io/scotch-box.git /Users/student/Documents/my_new_scotchbox`.

```
student — -bash — 86x24
Last login: Mon Jan  9 08:19:29 on ttys000
WCAW07120C-08:~ student$ git clone https://github.com/scotch-io/scotch-box.git /Users/
student/Documents/my_new_scotchbox
```

Hit Return to execute the “git clone” operation. If it succeeds, you should see output very similar to the YouTube video below the command on the ScotchBox site.

A screenshot of a macOS Terminal window titled "student — -bash — 86x24". The window shows the output of the git clone command. The output indicates that the repository was cloned successfully, including details about the number of objects, total size, and connectivity check.

```
student — -bash — 86x24
Last login: Mon Jan  9 08:19:29 on ttys000
[WCAW07120C-08:~ student$ git clone https://github.com/scotch-io/scotch-box.git /Users/]
student/Documents/my_new_scotchbox
Cloning into '/Users/student/Documents/my_new_scotchbox'...
remote: Counting objects: 138, done.
remote: Total 138 (delta 0), reused 0 (delta 0), pack-reused 138
Receiving objects: 100% (138/138), 42.50 KiB | 0 bytes/s, done.
Resolving deltas: 100% (65/65), done.
Checking connectivity... done.
WCAW07120C-08:~ student$
```

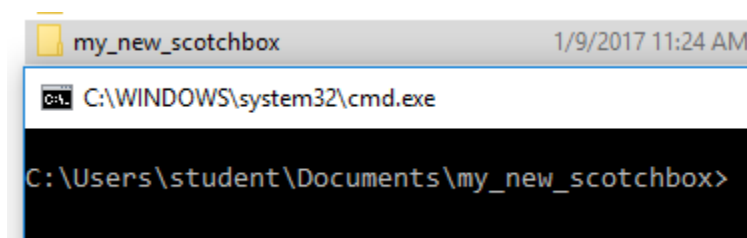
Windows 7/8/10

Unlike Mac OS X, Git is probably *not* already installed on your computer, so you will need to download and install it from this site:

<https://git-scm.com/>

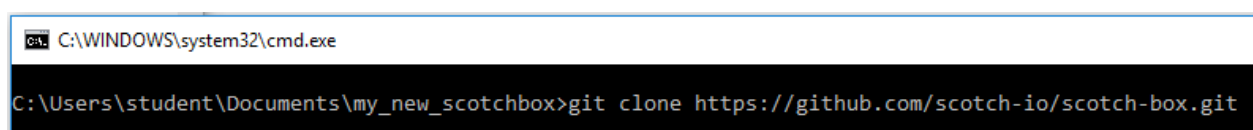
Pick a location on your hard drive where you would like ScotchBox to be installed. Make a new folder for it if you’d like.

Open the folder you’d like to install ScotchBox in. Shift-right-click the empty space inside the folder and choose “Open command window here”:

A screenshot of a Windows Explorer window showing a folder named "my_new_scotchbox". The address bar displays the path "C:\Users\student\Documents\my_new_scotchbox". The window title is "my_new_scotchbox" and the date/time is "1/9/2017 11:24 AM".

```
my_new_scotchbox 1/9/2017 11:24 AM
C:\WINDOWS\system32\cmd.exe
C:\Users\student\Documents\my_new_scotchbox>
```

Copy and paste the “git clone” command from the ScotchBox site into the Windows command prompt, but don’t hit Enter just yet. Delete the “my-project” from the sample command so that it looks like this:

A screenshot of a Windows command prompt window titled "C:\WINDOWS\system32\cmd.exe". The command prompt shows the path "C:\Users\student\Documents\my_new_scotchbox" and the command "git clone https://github.com/scotch-io/scotch-box.git" being entered.

```
C:\WINDOWS\system32\cmd.exe
C:\Users\student\Documents\my_new_scotchbox>git clone https://github.com/scotch-io/scotch-box.git
```

Now hit Enter to execute the “git clone” command, which will download files to the folder you have open. If it succeeds, you should see output very similar to the YouTube video below the command on the ScotchBox site.

```
C:\WINDOWS\system32\cmd.exe

C:\Users\student\Documents\my_new_scutchbox>git clone https://github.com/scotch-io/scotch-box.git
Cloning into 'scotch-box'...
remote: Counting objects: 138, done.
Receiving objects: 76% (105/138)    0 (delta 0), pack-reused 138
Receiving objects: 100% (138/138), 42.50 KiB | 0 bytes/s, done.
Resolving deltas: 100% (65/65), done.
Checking connectivity... done.

C:\Users\student\Documents\my_new_scutchbox>
```

4. Open the folder where you downloaded ScotchBox. Open the “scotch-box” subfolder and you should see a file called “Vagrantfile”. This directory is where all your Vagrant commands to manage ScotchBox will be executed from.

To execute console commands from this directory, re-open your Terminal or Windows command prompt window. Type the letters “cd” and a space.

```
WCAW07120C-08:~ student$ cd
```

```
C:\Users\student\Documents\my_new_scutchbox>cd
```

Then click on the icon of the folder *containing* the Vagrantfile and drag-and-drop it into the Terminal or command prompt Window. This should copy-and-paste the file path into the unfinished command, which should now look something like this:

```
WCAW07120C-08:~ student$ cd /Users/student/Documents/my_new_scutchbox
```

```
C:\Users\student\Documents\my_new_scutchbox>cd C:\Users\student\Documents\my_new_scutchbox\scotch-box
```

Hit Return/Enter to execute this command, which will change the terminal/command prompt *working directory* to the folder containing the Vagrantfile. You must execute Vagrant commands from “inside” this folder in Terminal/the command prompt to start up and shut down ScotchBox.

5. Now type “vagrant up” in the Terminal/command prompt window. Hit Return/Enter to execute the command. If it succeeds, a one-time download of additional files should start to update and initially configure ScotchBox. After this download finishes and the input prompt reappears (meaning you’re allowed to type stuff in the console again), the ScotchBox virtual machine will be up and running. (The big download only happens the very first time you start ScotchBox. From here on out, starting ScotchBox will take much less time.)

6. Proceed to step 5 in the ScotchBox site instructions. The link you are given to “access your project” points to an information page that is actually being served by your ScotchBox virtual machine, which is actually a miniature web server that can only be accessed by your computer. (This is very handy for web development purposes.)

There is a lot of useful information on this page which you should take a look at, so go ahead and open that link in a new browser tab. Many of the usernames/passwords and other software information will be important in later assignments. However, the only things you need to read right now are these:

SSH Credentials	
SSH Host	192.168.33.10
SSH User	vagrant
SSH Password	vagrant

These are the login credentials (username/password) for SSH access to the version of Linux installed on ScotchBox. You will be asked to enter these whenever you connect to ScotchBox via SSH.

Using SSH to connect to ScotchBox will be covered elsewhere. For now, to turn ScotchBox off, simply type “vagrant halt” and Return/Enter in the Terminal/command prompt window you started it from.

(If you already closed this window, don’t worry. Just open a new Terminal/command prompt window in the same directory as the Vagrantfile, then execute the “vagrant halt” command. Just remember that ScotchBox will keep running in the background unless you explicitly use the “vagrant halt” command to turn it off!)